RSAC 2025 Conference

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Digital Consolidation and Resilience: A Framework for the Future

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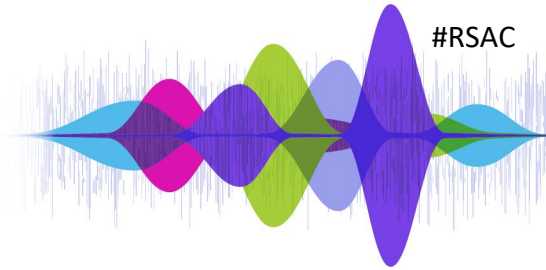

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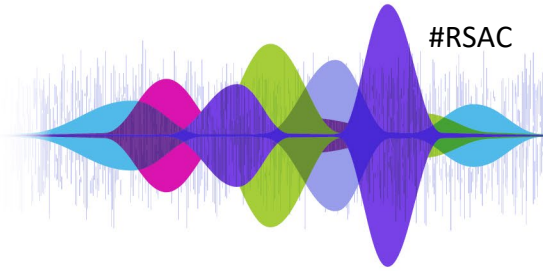
ICIT Report on Digital Consolidation

- Released on Dec 11, 2024, this report was developed in collaboration with the Cyber Risk Alliance (CRA) and an expert task force, incorporating insights from industry leaders, policymakers, and cybersecurity professionals.
- **Benefits & Risks**— *Digital consolidation boosts efficiency and integration but also increases societal risks.*
- **Urgency**— *Recent cybersecurity incidents like the 2024 CrowdStrike outage highlight the financial and operational dangers of disruptions to consolidated digital infrastructures.*
- **Resilience Framework**— *The report outlines a framework for enhancing digital resilience through four key areas:*
  - **Resourcing:** Government investment is needed to mitigate risks.
  - **Recovery:** Develop and test digital disaster recovery plans.
  - **Rehearsal:** Conduct joint crisis exercises across sectors.
  - **Response:** Establish clear deterrence and response policies.
- **Call to Action**— *The report serves as a call to action for the next U.S. administration and Congress, advocating for immediate and practical measures to secure critical digital infrastructure and ensure the resilience of systems that underpin modern society.*

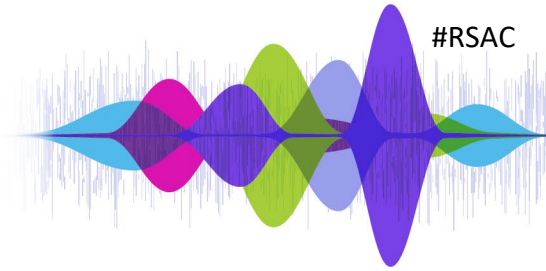
The Four R's of Digital Resilience



1. **Resourcing**—*Mandating federal investments in redundancy, interoperability, and recovery standards to address market failures in resilience.*
   - Fund interoperability and recovery standards, a Cyber Insurance Relief Act, & public-private research and development for resilience technologies and system design.
   - Resource review of Executive Branch Roles and Responsibilities in the Digital World.

2. **Recovery**—*Establishing recovery time objectives across federal systems and those who provide them to restore critical services quickly.*
   - Establish Recovery Time Objectives (RTOs) across federal systems, enhance resilience-boosting procurement practices, & build a National Recovery Dashboard.
   - Strengthen public-private recovery collaboration & enact legislation to create a Continuity-of-Services Framework.

The Four R's of Digital Resilience



3. **Rehearsal**—*Institutionalizing nationwide cyber exercises to rigorously test recovery protocols and cross-sector coordination.*
   - Institutionalize national cyber rehearsals that reflect nation-state threat scenarios. Ensure vendor and private-sector participation.
   - Develop a National Cyber Readiness Framework & publish an annual Cyber Resilience Report for Congress.

4. **Response**—*Defining clear red lines and deterrence measures to protect consolidated infrastructure from malicious actors.*
   - Establish clear red lines for attacks targeting digital consolidation, develop a tailored Cyber Response Doctrine, & integrate resilience into deterrence.
   - Develop advanced technical attribution capabilities through foster public-private and international collaboration.
   - Expand liability protections to private sector to strengthen its role in aiding cyber resilience.

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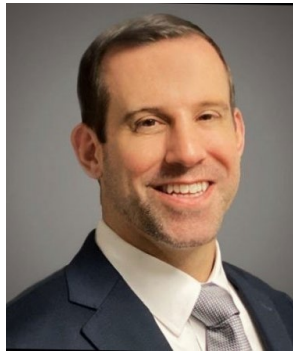

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Thank you!

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